

United States Patent [19]

Abe et al.

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[54] SMALL APPARATUS FOR DISPENSING CIRCULAR PLATE OBJECTS

[75] Inventors: Hiroshi Abe; Noboru Ichihara, both of Iwatsuki, Japan

[73] Assignee: Asahi Seiko Co. Ltd., Tokyo, Japan

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Primary Examiner—F. J. Bartuska
Attorney, Agent, or Firm—Quirk & Tratos

[57] ABSTRACT

An apparatus for dispensing disc bodies such as coins or tokens is set forth which includes a fixed substrate and a dispensing disc spaced from said substrate a distance related to the thickness of said disc bodies. The dispensing disc includes a plurality of openings having a diameter adapted to receive a disc body for dispensing thereof. The dispensing disc is attached to a shaft which is axially moveable to adjust the space between the dispensing disc and substrate. The shaft is connected to a motor through an axially aligned planetary gear apparatus. Rotation of the dispensing disc receives coins or tokens in the openings and space whereupon the coins are moved for dispensing. An elevation body engages the dispensing disc and includes a plurality of annular teeth. An adjustment body has teeth to engage the elevation body teeth. Rotation of the adjustment body axially adjusts the elevation body and dispensing disc to adjust the space to accept different thicknesses of coins.

7 Claims, 6 Drawing Sheets

